

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **02024535 A**

(43) Date of publication of application: **26.01.1990**

(51) Int. Cl. **G01N 15/14**  
**G01N 33/49**

(21) Application number: **63173578**

(22) Date of filing: **12.07.1988**

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### (54) PARTICLE ANALYZING APPARATUS

#### (57) Abstract:

**PURPOSE:** To excite fluorescence agent in various fluorescent kinds, to select detecting wavelengths arbitrarily and to perform adjustment readily when the fluorescence agents are changed by making the wavelength of projecting light variable, and further using a spectroscopic means.

**CONSTITUTION:** Laser light emitted from a dye laser light source 21 is projected on a sample liquid stream flowing through a flow path part 23a through an image forming lens 22. Sideward scattering light due to particles to be detected and fluorescence are condensed through an objective lens 24. The light and the fluorescence are separated into continuous wavelength components through a spectroscope 25. The output reaches an photoelectric detector 26. The output of each channel in the photoelectric detector 26 is independently inputted into an A/D converter 27. The results are stored in a digital memory 28. For example, computation of the distribution of fluorescence inten-

sity with respect to the wavelength in the particle to be detected and the like are operated in an operating device 29. The result is displayed on a display part 31.

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